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DIVISION OF PUBLICATIONS.

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MONTHLY LIST OF PUBLICATIONS.^a

[JUNE, 1907.]

NOTE.—To obtain those publications to which a price is affixed application must be made to the Superintendent of Documents, Government Printing Office, Washington, D. C., to whom all remittances must be directed. Stamps and personal checks will not be accepted.

THE SUPERINTENDENT OF DOCUMENTS IS NOT AN OFFICIAL OF THE DEPARTMENT OF AGRICULTURE.

Publications for free distribution may be obtained on application to the Secretary of Agriculture, Washington, D. C. Free publications are not distributed by the Superintendent of Documents. In all cases where officials desire to exchange publications application should be made to the Department of Agriculture.

The Department of Agriculture does not distribute nor control the distribution of publications of the State Agricultural Experiment Stations. Application for them should be made to the several stations in the different States.

ADVANCE SHEETS—FIELD OPERATIONS, BUREAU OF SOILS, 1906.

Soil Survey of Caddo Parish, Louisiana. By James L. Burgess, Lewis A. Hurst, Henry J. Wilder, and Charles F. Shaw. Pp. 36, fig. 1, maps 2.

Soil Survey of Montgomery County, Mississippi. By Thomas A. Caine and Frank C. Schroeder. Pp. 24, fig. 1, map.

Soil Survey of Oklahoma County, Oklahoma. By W. E. McLendon and Grove B. Jones. Pp. 27, fig. 1, map.

Soil Survey of Pontotoc County, Mississippi. By Frank Bennett and R. A. Winston. Pp. 26, fig. 1, map.

REPORTS—NEW.

Yearbook of the U. S. Department of Agriculture, 1906. Pp. 720, frontispiece, pls. 43, figs. 22. Price \$1.

The Yearbook contains the annual report of the Secretary of Agriculture, 120 pages, and thirty miscellaneous papers, 332 pages, covering a wide variety of subjects thoroughly representative of the varied scientific work conducted by the Department. Also an Appendix, 241 pages, and Index, 26 pages. The Appendix contains lists of names and post-offices of persons prominent in agricultural work in all its branches, including a statement of the Department organization with the names of the persons in charge of the several branches of work. It presents summaries of agricultural observations in several fields of legislation on forestry, roads, and game protection, and a statement on the Federal meat inspection law with a review of the animal industry work, unusually full. It closes with the annual statistical tables covering production and prices of the principal crops and farm animals, and the imports and exports of agricultural products. A new feature is a table of cotton production, domestic consumption, and exports, from 1790 to the present, and of prices from 1869.

Only 6 out of each 100 of this publication are assigned to this Department, which is insufficient to supply even its regular correspondents and coworkers. Miscellaneous applicants are therefore respectfully referred to their Senators, Representatives, and Delegates in Congress, to whom the other 94 per cent are allotted for distribution. The Superintendent of Documents has it for sale at — cents per copy.

Annual Report of Alaska Agricultural Experiment Stations for 1906. C. C. George-son, Special Agent in Charge. Under the supervision of Office of Experiment Stations, U. S. Department of Agriculture. Pp. 75, pls. 10.

BULLETINS—NEW.

Index-catalogue of Medical and Veterinary Zoology. [Authors: M to Martirano.] By Ch. Wardell Stiles, Zoologist of U. S. Public Health and Marine-Hospital Service, and Albert Hassall, Assistant in Zoology, Bureau of Animal Industry. Pp. ii, 1209-1304. (Bulletin 39, Part 17, Bureau of Animal Industry.) Price 15 cents.

^aThe character of this list will be changed with the July issue. From that time it will not be a complete record of Department publications, but will contain the titles of all new publications of general interest, and of reprints of which notice is desired for special reason.

- A Comparative Study of Tubercle Bacilli from Varied Sources. By John R. Mohler, Chief of Pathological Division, and Henry J. Washburn, Assistant Chief of Pathological Division. Pp. 88, pls. 6. (Bulletin 96, Bureau of Animal Industry.) Price 40 cents.
- The Germicidal Value of Liquor Cresolis Compositus (U. S. P.). By C. N. McBryde, Bacteriologist, Biochemic Division. Pp. 24. (Bulletin 100, Bureau of Animal Industry.) Price 5 cents.
- Papers on Deciduous Fruit Insects and Insecticides. The Pear Thrips. By Dudley Moulton, Engaged in Deciduous Fruit Insect Investigations. Pp. iv, 16, pls. 2, figs. 8. (Bulletin 68, Part I, Bureau of Entomology.) Price 10 cents.
- The Chinch Bug. By F. M. Webster, in Charge of Cereal and Forage-Plant Insect Investigations. Pp. 95, figs. 19. (Bulletin 69, Bureau of Entomology.) Price 15 cents.
- Report of the Meeting of Inspectors of Apiaries, San Antonio, Tex., November 12, 1906. Pp. 79, pl. 1. (Bulletin 70, Bureau of Entomology.) Price 15 cents.
- Experiments on the Metabolism of Matter and Energy in the Human Body, 1903-1904. By F. G. Benedict and R. D. Milner. Pp. 335, pls. 2, figs. 4. (Bulletin 175, Office of Experiment Stations.) Price 50 cents.
- Studies on the Digestibility and Nutritive Value of Legumes at the University of Tennessee, 1901-1905. By Chas. E. Wait, Professor of Chemistry, University of Tennessee. Pp. 55. (Bulletin 187, Office of Experiment Stations.) Price 10 cents.
- The History of the Cowpea and Its Introduction into America. By W. F. Wight, Assistant Botanist, Taxonomic Investigations. Pp. 21, pls. 3. (Bulletin 102, Part VI, Bureau of Plant Industry.) Price 10 cents.
- The Relation of the Composition of the Leaf to the Burning Qualities of Tobacco. By Wightman W. Garner, Scientific Assistant, Tobacco Breeding Investigations, Bureau of Plant Industry. Pp. 27. (Bulletin 105, Bureau of Plant Industry.) Price 10 cents.
- The Construction of Macadam Roads. By Austin B. Fletcher, Special Agent, Office of Public Roads. Pp. 56, pls. 6, figs. 3. (Bulletin 29, Office of Public Roads.) Price 10 cents.
- Further Studies on the Properties of Unproductive Soils. By Burton Edward Livingston and others. Pp. 71, pls. 7. (Bulletin 36, Bureau of Soils.) Price 15 cents.
- Some Factors Influencing Soil Fertility. By Oswald Schreiner and Howard S. Reed. Pp. 40, pls. 3. (Bulletin 40, Bureau of Soils.) Price 10 cents.
- The Action of Water and Aqueous Solutions upon Soil Phosphates. By Frank K. Cameron and James M. Bell. Pp. 58, figs. 5. (Bulletin 41, Bureau of Soils.) Price 10 cents.

BULLETINS—REPRINTS.

- Bulletin 108, Office of Experiment Stations. Irrigation Practice among Fruit Growers on the Pacific Coast. Price 15 cents.
- Bulletin 33, Bureau of Forestry. The Western Hemlock. Price 20 cents.

CIRCULARS—NEW.

- Sanitary Relations of the Milk Supply. Pp. 7. (Circular 111, Bureau of Animal Industry.)
- List of Publications of the Biological Survey, Department of Agriculture, 1907. Pp. 7. (Circular 60, revised, Bureau of Biological Survey.)
- The Colorado Potato Beetle (*Leptinotarsa decemlineata* Say). By F. H. Chittenden, Entomologist in Charge of Breeding Experiments. Pp. 15, figs. 6. (Circular 87, Bureau of Entomology.)
- The White-pine Weevil. By A. D. Hopkins, in Charge of Forest Insect Investigations. Pp. 8, figs. 6. (Circular 90, Bureau of Entomology.)
- Fertilizadores ó Abonos. Por D. W. May, Agente Especial Encargado. Pp. 18. (Circular 6, Estación de Experimentos Agrícolas de Puerto Rico.)
- List of Station Publications Received by the Office of Experiment Stations during May, 1907. Pp. 5. (Doc. 1013, Office of Experiment Stations.)
- Practical Assistance to Farmers, Lumbermen, and Other Owners of Forest Lands. Pp. 5. (Circular 21, Fifth Revision, Forest Service.)
- Russian Mulberry (*Morus alba tatarica*). Pp. 3. (Circular 83, revised, Forest Service.)
- Suggestions for Forest Planting in the Northeastern and Lake States. Pp. 15, fig. 1. (Circular 100, Forest Service.)
- White Oak (*Quercus alba*). Pp. 4. (Circular 106, Forest Service.)
- Sawmill Statistics. Pp. 2. (Circular 107, Forest Service.)

Publications for Sale (Revised to June 1, 1907). Pp. 87. (Circular 3, Division of Publications.)

Monthly List of Publications, May, 1907. Pp. 4. (Doc. 572, Division of Publications.)

Crop Reporter, Vol. 9, No. 6, June, 1907. Pp. 41-48.

A three-column quarto publication devoted to agricultural statistics.

CIRCULARS—REPRINTS.

Circular 19, Office of the Secretary. Standards of Purity for Food Products.

Circular 1, revised, Bureau of Animal Industry. Directions for the Pasteurization of Milk.

Circular 85, Bureau of Animal Industry. The Tapeworms of American Chickens and Turkeys.

Circular 97, Bureau of Animal Industry. How to Get Rid of Cattle Ticks.

Circular 107, Bureau of Animal Industry. Capons and Caponizing.

Circular 109, Bureau of Animal Industry. Quail Diseases in the United States.

Circular 34, Second Series, revised, Bureau of Entomology. House Ants.

Circular 46, Second Series, revised, Bureau of Entomology. Hydrocyanic-acid Gas against Household Insects.

Circular 12, Division of Forestry. Southern Pine—Mechanical and Physical Properties.

Circular 15, Division of Forestry. Summary of Mechanical Tests on Thirty-two Species of American Woods.

Circular 22, revised, Forest Service. Practical Assistance to Tree Planters.

Circular 25, Bureau of Forestry. Forestry and the Lumber Supply.

Circular 36, Forest Service. The Forest Service: What It Is and How It Deals with Forest Problems.

Circular 43, Forest Service. Cross-ties Purchased by the Steam Railroads of the United States in 1905.

Circular 48, Forest Service. Kiln-drying Hardwood Lumber.

Circular 50, Forest Service. Wood Used for Distillation in 1905.

Circular 51, Forest Service. Wood Used for Veneer in 1905.

Circular 55, Forest Service. How to Pack and Ship Young Forest Trees.

Circular 56, Forest Service. Bur Oak (*Quercus macrocarpa*).

Circular 61, Forest Service. How to Transplant Forest Trees.

Circular 69, Forest Service. Fence-post Trees.

Circular 75, Forest Service. Hackberry (*Celtis occidentalis*).

FARMERS' BULLETINS—NEW.

Farm Practice in the Columbia Basin Uplands. By Byron Hunter, Assistant Agriculturist, Farm Management Investigations, Bureau of Plant Industry. Pp. 32, figs. 9. (Farmers' Bulletin 294.)

A description of the uplands of the Columbia Basin, the methods of tillage in use by the farmers of this region with the relative merits of the different methods, and a study of the varieties of wheat grown and their adaptability to the different sections.

Potatoes and Other Root Crops as Food. By C. F. Langworthy, in Charge of Nutrition Investigations, Office of Experiment Stations. Pp. 47, figs. 4. (Farmers' Bulletin 295.)

A summary of information concerning the composition, digestibility, and nutritive value, etc., of potatoes, artichokes, tropical starch-bearing roots, succulent roots, tubers and bulbs, and roots used as condiments.

Experiment Station Work, XLI. Compiled from the Publications of the Agricultural Experiment Stations. (Farmers' Bulletin 296.)

CONTENTS: Wells and pure water—Phosphates and soil acidity—Pure seed v. poor seed—Disease-resistant clover—Eradication of wild mustard—Sterilization of soils for preventing plant diseases—Seedless tomatoes—Pickling olives and mock olives—Hay box or fireless cooker—Insect enemies of shade trees—Feeding whole grain—Improvement of cattle—Ventilation of stables—Hog cots—Preserving eggs—American Camembert cheese.

Methods of Destroying Rats. By David E. Lantz, Assistant, Bureau of Biological Survey. Pp. 8, fig. 1. (Farmers' Bulletin 297.)

This bulletin is issued in response to numerous calls for practical methods of destroying rats. It contains descriptions of different methods of poisoning, trapping rats, the use of ferrets and dogs, and fumigation, gives a list of their natural enemies, and suggests means of excluding them from buildings.

Diversified Farming under the Plantation System. By D. A. Brodie, Assistant Agriculturist, and C. K. McClelland, Scientific Assistant, Farm Management Investigations, Bureau of Plant Industry. Pp. 16. (Farmers' Bulletin 299.)

This presents a discussion of the advantages of diversified farming over the one-crop system, with an account of an experiment in diversified farming on a plantation in Louisiana in 1906.

Some Important Grasses and Forage Plants for the Gulf Coast Region. By S. M. Tracy, Special Agent, Farm Management Investigations, Bureau of Plant Industry. Pp. 15, figs. 5. (Farmers' Bulletin 300.)

This bulletin discusses the use of Mexican clover (purslane), beggar weed, velvet beans, guinea grass, and Para grass as forage plants, and gives directions for handling them.

Home-grown Tea. By George F. Mitchell, Scientific Assistant in Tea Culture Investigations, Bureau of Plant Industry. Pp. 16, figs. 4. (Farmers' Bulletin 301.)

Directions for soil selection, planting, cultivating, picking, and curing of tea for home use, with suggestions on preparation for the table.

FARMERS' BULLETINS—REPRINTS.

120. The Principal Insects Affecting the Tobacco Plant. Pp. 32, figs. 25.

134. Tree Planting on Rural School Grounds. Pp. 32, figs. 17.

173. A Primer of Forestry. Pp. 48, figs. 33.

229. The Production of Good Seed Corn. Pp. 24, figs. 10.

257. Soil Fertility. Pp. 40, figs. 2.

258. Texas or Tick Fever and Its Prevention. Pp. 47, figs. 6.

272. A Successful Hog and Seed-Corn Farm. Pp. 16, figs. 5.

SEPARATES, YEARBOOKS, DEPARTMENT OF AGRICULTURE.

A Working Plan for Southern Hardwoods, and its Results. By John Foley, Field Assistant, Bureau of Forestry. Pp. ii, 471-476, pls. 3. (Sep. 249, Y. B. 1901.)

Practicability of Forest Planting in the United States. By William L. Hall, Chief of Division of Forest Extension, Bureau of Forestry. Pp. iii, 133-144, pls. 4. (Sep. 270, Y. B. 1902.)

Influence of Forestry upon the Lumber Industry. By Overton W. Price, Assistant Forester, Bureau of Forestry. Pp. iii, 309-312, pls. 3. (Sep. 274, Y. B. 1902.)

The Relation of Forests to Stream Flow. By James W. Toumey, Collaborator, Bureau of Forestry. Pp. iii, 279-288. (Sep. 329, Y. B. 1903.)

SEPARATE, BULLETIN 158, OFFICE OF EXPERIMENT STATIONS.

Irrigation Investigations at New Mexico Experiment Station, Mesilla Park, 1904. By J. J. Vernon, Professor of Agriculture, New Mexico Agricultural College. Irrigation Investigations in Western Texas. By Harvey Culbertson, Agent and Expert in Pumping Investigations. Pumping Plants in Texas. By C. E. Tait, Irrigation Engineer. Pp. iv, 303-346, figs. 8. (Sep. 5, O. E. S.)

SEPARATE, BULLETIN 184, OFFICE OF EXPERIMENT STATIONS.

Memorial to President George W. Atherton. By H. P. Armsby, Director of the Pennsylvania Agricultural Experiment Station. Pp. 31-36. (Doc. 989, O. E. S.)

PUBLICATIONS OF THE WEATHER BUREAU.

Monthly Weather Review, Vol. XXXV, No. 3, March, 1907. Prepared under the direction of Willis L. Moore, Chief U. S. Weather Bureau. Pp. 103-154, figs. 10, charts 10. (W. B. 370.) Price 20 cents; \$2.50 per year.

Charts of the Weather Bureau.

National Weekly Weather Bulletin, reporting temperature and rainfall, with a summary of weather conditions by sections throughout the United States. Issued each Monday in June. Nos. 12, 13, 14, 15.

Daily Weather Map, showing weather conditions throughout the United States and giving forecasts of probable changes.

PUBLICATIONS NOT AVAILABLE FOR DISTRIBUTION.

SEPARATES, BULLETIN 105, BUREAU OF CHEMISTRY.

Report on Determination of Water in Foods. By F. C. Weber, Associate Referee, Association of Official Agricultural Chemists. Pp. 58-65.

Report on Fats and Oils. (Cooperative Work on the Cloud and Cold Tests for 1905 to 1906.) By L. M. Tolman, Associate Referee. Pp. 29-37.

GEO. WM. HILL,
Editor in Chief.

Approved:

JAMES WILSON, *Secretary of Agriculture.*